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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/845,751	04/30/2001	Bernhard J. Scholz	GE1-004US	3458
21718	7590	07/20/2007		
LEE & HAYES PLLC SUITE 500 421 W RIVERSIDE SPOKANE, WA 99201				
			EXAMINER PAULA, CESAR B	
			ART UNIT 2178	PAPER NUMBER
			MAIL DATE 07/20/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

ED

Interview Summary	Application No.	Applicant(s)	
	09/845,751	SCHOLZ ET AL.	
	Examiner	Art Unit	
	CESAR B. PAULA	2178	

All participants (applicant, applicant's representative, PTO personnel):

- (1) CESAR B. PAULA. (3)_____
- (2) NATHAN T GREBASCH. (4)_____

Date of Interview: 18 July 2007.

Type: a) ☒ Telephonic b) ☐ Video Conference
 c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.
 If Yes, brief description: _____

Claim(s) discussed: 1-6, 19-38, AND 40-43.


Identification of prior art discussed: RAZ AND LEMAY.

Agreement with respect to the claims f) ☐ was reached. g) ☒ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: DISCUSSED DIFFERENCES BETWEEN A PROPOSED AMENDMENT AND PRIOR ART OF RECORD.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.


CESAR PAULA
PRIMARY EXAMINER

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

 Examiner's signature, if required



Fax Cover Sheet

DATE: 7-11-2007

TO: CESAR B PAULA

(571) 273-4128 FAX

FROM: Nathan T Grebasch

RE: 09/845,751 - Interview Request Form

NUMBER OF PAGES (including cover sheet): 3 + 11

Please confirm receipt of fax and acceptance of interview.

lee & hayes pllc, intellectual property law

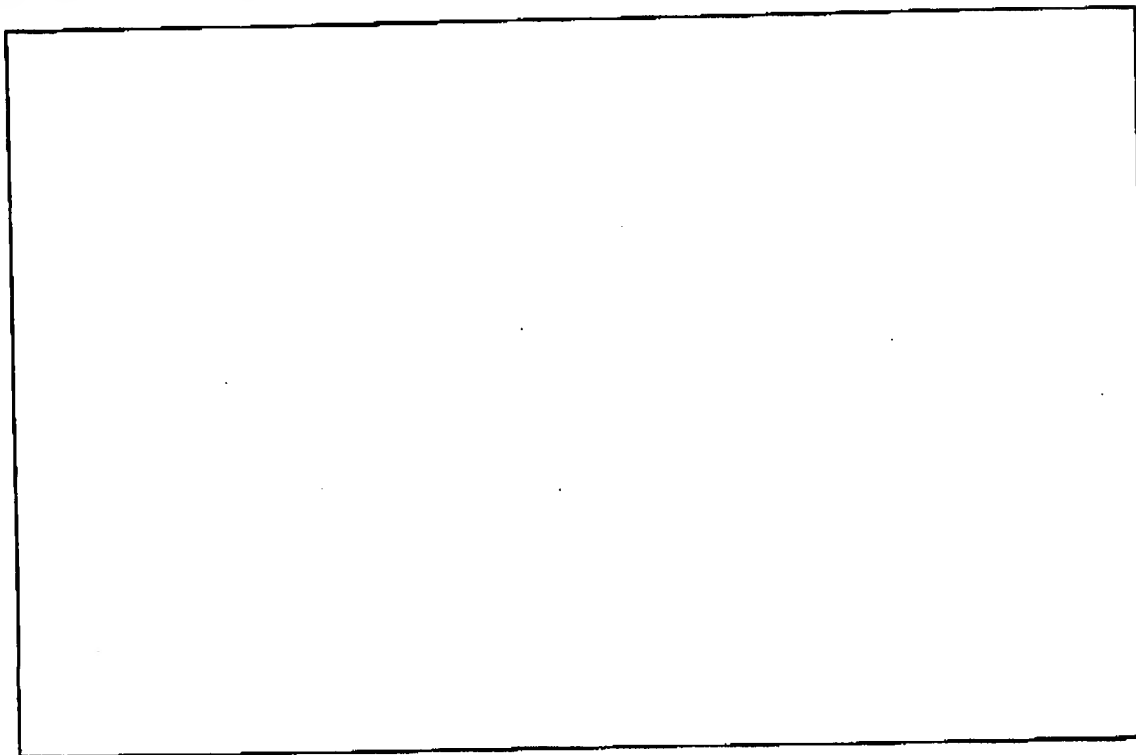
SPOKANE 509-324-9256 / fax 509-323-8979
SEATTLE 206-315-4001 / fax 206-315-4004
DENVER 303-539-0265 / fax 303-539-0270

421 west riverside avenue, suite 500, spokane, washington 99201 www.leeandhayes.com

Applicant Initiated Interview Request Form (cont)

Application No.: 09/845,751 First Named Applicant: Bernhard J. Scholz
Examiner: CESAR B PAULA Art Unit: 2178 Status of Application: final rej.

Brief Description of Arguments to be Presented (cont):

A large, empty rectangular box with a black border, intended for the user to provide a brief description of arguments to be presented during the interview.

PTOL-413A (09-04)

Approved for use through 07/31/2006. OMB 0551-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Applicant Initiated Interview Request Form

Application No.: 09/845,751

First Named Applicant: Bernhard J. Scholz

Examiner: CESAR B PAULA

Art Unit: 2178

Status of Application: final rej.

Tentative Participants:

(1) CESAR B PAULA (2) Nathan T Grebasch

(3) (4)

Proposed Date of Interview: Tuesday July 17, 2007

Proposed Time: 1:00pm EST (AM/PM)

Type of Interview Requested:(1) ☒ Telephonic (2) ☐ Personal (3) ☐ Video ConferenceExhibit To Be Shown or Demonstrated: ☐ YES ☒ NO

If yes, provide brief description:

Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art Raz/Lemay	Discussed	Agreed	Not Agreed
(1) rej 103	pending		[]	[]	[]
(2)			[]	[]	[]
(3)			[]	[]	[]
(4)			[]	[]	[]

☐ Continuation Sheet Attached**Brief Description of Arguments to be Presented:**

Discuss proposed preliminary amendment. Determine if RCE or Appeal would be appropriate.

An interview was conducted on the above-identified application on

NOTE: This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).

This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.

Applicant/Applicant's Representative Signature

Nathan T Grebasch

Typed/Printed Name of Applicant or Representative

48600

Registration Number, if applicable

Examiner/SPE Signature

This collection of information is required by 37 CFR 1.133. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No.09/845,751
Filing Date April 30, 2001
Inventor Bernhard J. Scholz et al.
Group Art Unit 2178
Examiner Paula, Cesar B.
Attorney's Docket No. GE1-004US
Confirmation No. 3458
Title: Automatic Generation of Forms with Input Validation

NOT FOR ENTRY: PROPOSED PRELIMINARY AMENDMENT

To: MS Final
Honorable Commissioner of Patents and Trademarks
P.O. Box 1450
Alexandria, VA 22313-1450

From: Nathan Grebasch (Tel. 509-324-9256; Fax 509-323-8979)
Lee & Hayes, PLLC
421 W. Riverside Avenue, Suite 500
Spokane, WA 99201

INTRODUCTORY COMMENTS

Sir:

Entrance of the following is respectfully requested. No new matter is believed to be added.

- A) A Claim Listing begins on page 2 of this paper; and
- B) Remarks/Arguments begin on page 9 of this paper.

CLAIM AMENDMENT

Kindly Amend as follows:

Listing of Claims

1. (Currently Amended) One or more computer-readable memories comprising computer-executable instructions that, when executed, direct a processor to perform acts comprising:

automatically identifying a custom field ~~en~~ in a source code form definition, which defines a form to be generated, and one or more restrictions on an input to the custom field;

automatically identifying validation code that, when executed, validates that the input conforms to the one or more restrictions; and

adding, to a new form definition that includes a non-custom field corresponding to the custom field, the identified validation code.

2. (Previously Presented) One or more computer-readable memories as recited in claim 1, wherein the computer-executable instructions further direct the processor to perform acts comprising:

adding, to the new form definition, a reference to the identified validation code that, when executed by another processor, causes the other processor to execute the identified validation code.

3. (Previously Presented) One or more computer-readable memories as recited in claim 1, wherein the automatically identifying validation code comprises identifying pre-defined validation code.
4. (Previously Presented) One or more computer-readable memories as recited in claim 1, wherein the source code form definition that defines the custom field includes a tag corresponding to the custom field.
5. (Previously Presented) One or more computer-readable memories as recited in claim 1, wherein the input comprises a user input.
6. (Previously Presented) One or more computer-readable memories as recited in claim 1, wherein the automatically identifying validation code comprises:
- automatically identifying, on the source code from definition, a custom tag corresponding to the custom field, wherein the custom tag includes an indication of one or more attributes, and wherein each of the one or more attributes includes a value indicating what input corresponding to the non-custom field is to be restricted to; and
- identifying, from a plurality of pieces of validation code, the validation code corresponding to the one or more attributes of the custom tag.

7-18. (Canceled).

19. (Currently Amended) A computerized method comprising:
automatically identifying, from an input form definition written in a source code, one or more desired fields to be included on a form to be generated via which data can be input; and
automatically adding validation code to source code of the form to be generated, wherein the validation code is based at least in part on the one or more desired fields and one or more desired input restrictions associated with the one or more desired fields.

20. (Previously Presented) A method as recited in claim 19, wherein the automatically identifying comprises identifying a custom tag corresponding to each of the one or more desired fields, wherein each custom tag has one or more validation attributes, and wherein each validation attribute includes an indication of the attribute and a corresponding value that input corresponding to the custom tag is to be restricted to.

21. (Original) A method as recited in claim 19, wherein the input comprises a user input.

22. (Currently amended) A method as recited in claim 19, wherein the automatically adding comprises:

generating a temporary form definition for a form to be generated;

adding execution code to the temporary form definition;

executing the execution code to add the validation code to the temporary form definition; and

outputting, as the source code, the temporary form definition.

23. (Currently amended) A computing system comprising:

a processor, configured to generate,

a form analyzer configured to automatically identify one or more custom tags in a source code form definition which defines a form to be created; and

a tag replacement module, coupled to the form analyzer, configured to automatically replace each of the one or more custom tags with another tag, and further to add, to a form definition, for each of the one or more custom tags, validation code to validate subsequent inputs to a field corresponding to the tag in the form to be created.

24. (Original) A system as recited in claim 23, wherein the inputs comprise user inputs.

25. (Original) A system as recited in claim 23, wherein the system comprises a compiler.

26. (Original) A system as recited in claim 23, wherein each of the other tags with which the tag replacement module replaces a custom tag is a HyperText Markup Language (HTML) tag.

27. (Original) A system as recited in claim 23, wherein the tag replacement module is further configured to add a reference to the added validation code.

28. (Previously presented) A system as recited in claim 23, wherein the tag replacement module is further configured to generate a new document corresponding to the form definition, to replace each of the one or more custom tags with another tag by adding the other tag to the new document, and to add validation code by adding the validation code to the new document.

29. (Original) A system as recited in claim 23, wherein a plurality of the one or more custom tags have restrictions corresponding to the same validation code, and wherein the tag replacement module is further configured to add the same validation code only once.

30. (Original) A system as recited in claim 23, further comprising a tag library, coupled to the tag replacement module, to store the validation code.

31. (Original) A system as recited in claim 30, wherein the tag library is further to store an identification of the one or more custom tags.

32. (Currently amended) A computerized method comprising:
receiving a form definition, written in source code defining a form to be generated, including one or more custom tags, wherein each custom tag corresponds to a data input, and wherein each custom tag includes one or more associated input restrictions; and
for each of the one or more custom tags,

automatically identifying a replacement non-custom tag,

automatically adding the identified replacement non-custom tag to a new form definition,

automatically identifying validation code that, when executed based on an input corresponding to the tag, validates whether the associated input restrictions are satisfied, and automatically adding the identified validation code to the new form definition, such that a user input in a form created from the new form definition is validated.

33. (Previously Presented) A computerized method as recited in claim 32, wherein the method further comprises, for each of the one or more custom tags:

adding, to the new form definition, a reference to invoke the added validation code.

34. (Previously Presented) A computerized method as recited in claim 32, wherein the receiving further comprises receiving, as part of the form definition, one or more non-custom tags, and wherein the method further comprises adding each of the non-custom tags to the new form definition.

35. (Previously Presented) A computerized method as recited in claim 32, wherein the data input comprises data input by a user.

36. (Previously Presented) A computerized method as recited in claim 32, wherein each input custom tag includes one or more attributes that identify the one or more associated input restrictions, and wherein each of the one or more attributes includes an indication of the attribute and a corresponding value that data input corresponding to the tag is to be restricted to.

37. (Previously Presented) A computerized method as recited in claim 32, wherein automatically adding the identified validation code comprises: adding execution code to the new form definition; and executing the execution code to add the identified validation code to the new form definition.

38. (Previously Presented) One or more computer-readable memories having stored thereon a text markup language document usable by a processor, the text markup language document comprising: a first portion identifying an input field for a form; and a second portion identifying one or more restrictions on inputs to the input field, and further identifying validation code to be automatically added to a page to enforce the one or more restrictions on inputs to the input field.

39. (Canceled).

40. (Previously Presented) One or more computer-readable memories as recited in claim 38, wherein the first portion further identifies a type of the input field.

41. (Previously Presented) One or more computer-readable memories as recited in claim 38, wherein the second portion comprises a set of one or more attributes and, for each attribute, an associated value for the attribute.

42. (Previously Presented) One or more computer-readable memories as recited in claim 38, wherein the input field is for user-input of data.

43. (Previously Presented) One or more computer-readable memories as recited in claim 1, wherein the computer-executable instructions further direct the processor to perform acts comprising:
identifying, on the source code form definition, one or more restrictions for the custom field; and
using, in identifying the validation code, the one or more restrictions.

REMARKS

Reconsideration and allowance of the present application are respectfully requested. Claims 1-6, 19-38 and 40-43 are currently pending in this application. Support for the amendment may be found throughout the specification as filed and particularly at page 2, lines 6-9; page 33, lines 8-9; and page 33 lines 3-13.

Objection to the Specification

The specification will be amended to obviate the pending objection. Support for the amendment of "one or more" may be found in the specification and particularly in as filed claim 1.

Conclusion

The arguments presented above are not exhaustive; Applicant reserves the right to present additional arguments to fortify its position. Further, Applicant reserves the right to challenge the alleged prior art status of one or more documents cited in the Office Action.